

A.N.A.R.T.S. News Bulletin 1360 for 7th August 2005

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A.N.A.R.T.S. News Bulletin 1360 7th Aug 2005.

Col's Column

Early Electrical Communication.

Early Electrical Communications, United States.

Vail had constructed a new and improved version of the telegraph for Morse. The original Morse telegraph drew a zig zag line on a strip of paper, but the new one drew a straight interrupted line of short and long marks.

A new code was now devised to make the short and long marks or dots and dashes, and represented every letter of the alphabet plus numerals and some punctuation. This code was and always has been known as the Morse Code, and most of us Amateurs have used it at one time or another. It seems though that the code was devised by Vail and not Morse. We shall go into that next week.

What seems certain of course is that the code was the most important contribution to both Radio and 'Line' telegraphs that came out of the U.S. at that time.

In constructing the code an important principle was used, the most common letters in the English language were represented by the shortest group of dots and dashes. For example, the letter 'E' is the most common letter in English and so it was represented by a single dot, the shortest possible symbol of the code. The next most common letter is 'T' and this is represented by the next shortest symbol, the 'dash'. From these two letters the code was gradually constructed using the shortest groups for the most common letters and the longest groups of dots and dashes for those used only now and then.

Letters and words could now be transmitted as sentences using these two symbols, the dot and dash, or in Wireless Telegraphy, dit and dah. The Morse Code is a good example of the Bi-Signal alphabet of ancient origin. American Indians sent messages by long and short puffs of smoke, and other peoples by high and low drum sounds. Cooke and Wheatstone transmitted their signals by either left or right deflection of a needle. Now of course the binary

coding enables us to use Computers and the Internet.

Next week a look at the authorship of the Morse Code.
73's Col VK2CTD.

IPS Weekly Solar and Geophysical Report 29th Jul/4th Aug

SUMMARY

Date	29	30	31	01	02	03	04
10cm flux	104	105	110	111	110	109	106
AFr index	14	11	40	18	9	6	10 est
Aus index	12	8	6	10	9	7	8 est
T index	47	40	45	52	50	43	50

Solar flare activity was low on 29th and 4th moderate on 31st to 3rd and high on 30th.

The following flares were reported:

30th one X1
31st one M1
1st one M1
2nd one M4
3rd one M3

Geomagnetic activity observed for the Australian Region was quiet to active on 29th and 2nd quiet to unsettled on 30th 1st 3rd and 4th and quiet on 31st.

Southern Australian Ionospheric F2 critical frequencies were near predicted to 20 percent enhanced on 29th- near predicted on 30th and 31st- near predicted to 25 percent enhanced on 1st and 4th 15 percent enhanced to near predicted on 2nd and mostly near predicted on 3rd.

Forecast for 5/11th AUG

There should be moderate solar activity early in the week.

Geomagnetic conditions should be active 6/9th Aug and quiet to unsettled on other days.

Frequencies should be briefly depressed after local dawn 6/9th Aug and near predicted monthly values on other days.

courtesy of the IPS Radio and Space Services

summary by Pat VK2JPA ANARTS Broadcast Officer

VK2SG RTTY DX NOTES WEEK ENDING 4 AUG

This week our information came from AA5AU GU0SUP I5FLN and the Central Europe clusternode DB0SPC. Thank you all.

Friday 29

0631-14080 3D2HY/2
0710-14088 SV9/SV1QN
0901-14083 IT9BLB/IH9
0904-14080 R1MVW
1304-14084 UN8PIM
1418-18102 4K5D
1440-14087 FR1ZH
1442-14084 SU9FL
1503-14080 CU6NS
1531-18105 SV9/SV1QN
1555-18103 YB5AQB
1620-14086 E20KIR
1831-14086 OH0Z
2156-14087 HR2/LU1DY
2339-14081 ZP6VT

Saturday 30

0046-14086 5D6MC
0846-14085 SU9FL
0928-14086 SV9/SV1QN
1100-14080 R1MVW
1139-14088 5D6MC
1241-14085 DU3NXX
1755-14081 9M2MT
1800-14084 OH0Z
1820-14088 CU6YB
1822-14083 SU9FL
1857-14087 CT3IA
1924-14085 VQ9LA
1933-14085 UN8PIM
2102-14089 5D6MC
2115-14081 ZD7JC
2150-14085 OX3DB
2257-14080 ZP6VT
2325-14082 FM5JC
2343-14085 HS0ZEE

Sunday 31

0056-10136 CY0AA
0203-14082 BW3/JD1BKQ
0400--7098 KP2/AA1BU
0700-14083 SV9/DL6ZFG
0800-14081 OH0Z
1107-14085 OX3DB
1154-18104 CY0AA
1202-18102 PJ2MI
1205-14082 ZP6VT
1215-14080 CU6YB
1224-18103 TI8CBT
1309-14080 R1MVW
1352-21077 OH0Z
1420-14081 HZ1NH
1426-18102 4K5D
1524-14082 5N6CD
1723-14083 OH0Z
1735-14079 MM0LON Shetland EU012
1821-21082 MM0LON via DF1LON
1841-18101 MM0LON
1903-14084 UN1II
2002-18102 CY0AA
2029-18101 TI8CBT
2103-14087 EA9IB
2111-14089 5D6MC

2155-14082 VK2KM
2202-14086 FM5AA
2334-18102 CY0AA

Monday 1

0013-18102 CY0AA
0101-10134 CY0AA
0144-10135 TI8CBT
0426-14081 VK9NS
1447-18103 4K5D
1554-14081 9V40UV
1609-14082 IT9BLB/IH9 AF018
1625-14085 SV9/DL6ZFG
1647-14087 CY0AA
1948-14082 CU6NS
2147-14086 0X3DB
2251-14085 SV9CVN
2349-14087 CY0AA

Tuesday 2

0004-14087 CY0AA
0019-14084 HC2ZE
0127--7036 CY0AA
0306-14081 KH6ZM
0601-14085 SV9/SV1QN
0705-14086 VK3KE
0857-18100 HL50
0913-10140 HL50
0933-14083 HL50
1103-14084 CU6NS
1410-24926 CY0AA
1442-14087 UN8PIM
1755-14081 SV5/OM2TW
1820-14087 CY0AA
1838-14084 XU7ABN
2010-14086 C02IZ
2034-14093 IT9BLB/IH9
2038-14086 FM5AA
2105-14086 XE1EK
2154-14083 CE3AKK
2203-14081 TI3TEJ
2304-14082 Z31GX

Wednesday 3

0024-14083 TA3/DG4ML0/P
0050-14087 SV5/OM2TW
0113-14087 XE1EK
1324-18105 VQ9LA
1339-14081 TI8CBT
1441-18097 9M6/G300K
1443-14082 SV5/OM2TW
1801-14082 SV9/SV1QN
1814-14085 VQ9LA
1824-14086 9M6/G300K
1912-14082 IT9BLB/IH9 AF018
2132-14083 VK2KM
2241-14087 XQ1VLY
2305-14086 VR2BG
2347-14084 HC2ZE

Thursday 4

0209-10133 FM5AA
0603-14083 SV9/SV1QN

1455-18100 SV9FBT
1507-14084 UN8PIM
1552-14082 SV9/DL6ZFG
1606-14080 4K5D
1556-14081 SV5/OM2TW
1751-14084 4S7AB
1800-10143 SV9/SV1QN
1912-21086 LU6DAT
2146-14086 C02IZ
2220-14085 HK4CYR
2228-14083 C02GL
2236-14085 HK6PSG

The VK2SG RTTY DX NOTES are distributed every week via the Winlink network, and are also available on the Internet at URL <http://mailman.qth.net/mailman/listinfo/vk2sg-rtty> and the digital-dx reflector.

To subscribe to the digital-dx reflector, send an e-mail message to majordomo at mla.nifty.ne.jp as follows:
Subject:(blank) Message Body: subscribe digital-dx

For next week's bulletin, send your bandpass and notes of interest to Don AA5AU email aa5au at bellsouth.net

Goetz Linss DJ3IW

The Ohio/Penn DX Bulletin No. 720 -- excerpts

3C0, ANNOBON ISLAND

Elmo/EA5BYP and Vicente/EA5YN announced that they are planning an operation to Pagalu as soon as possible. Complete details have not been released yet but they are forthcoming. Activity will be CW SSB RTTY and PSK31 on 160-10ms. Organizer of the DXpedition is once again DX Club Tabarca Island. There will also be a new QSL Manager for this operation. Their Web page is currently under construction but can be viewed at:
<http://www.tabarca.es.mn>

5W, WESTERN SAMOA

Eugene/W2LU and Stephen/WA2WVI will be active from here. Their tentative dates are December 1-5th. Their call signs are not known yet. They plan to focus on 160 and 75 meters SSB check 1850 and 3795 kHz, listening down 5, between 1600-0600z.

60 HA STATIONS TO APPEAR ON 6 METERS

Chris, HA5X, informs OPDX readers:

6m is not allocated for the amateur radio service in Hungary. Haros Radioclub (HA5HRK) has requested a 30 day experimental 6m licence at the National Communications Authority in Hungary for 25 stations. Aim of the experiment is to test whether interference with television broadcast is manageable, and if the band can be opened for amateur radio use before terrestrial TV broadcasting comes to an end. The authority has shown a very positive attitude and invited two other amateur radio organizations to take part in the experiment with their sets of stations. This means that a maximum of 60 licenced HA stations may appear on 50MHz in the period 1-30 August. There will be no major mode restrictions (digi modes also allowed), but a limit of 5W ERP (0dB antennas). As the aim of the experiment is to finally get a permanent okay for 6m activities, and the authorities are watching the activity with

their equipment, we hope that all stations will keep to the rules, i.e. power restriction. No single QSO is worth the whole future of 6m in Hungary.

7Q, MALAWI

Ely, IN3VZE, will be active as 7Q7CE from the southwest shore of Lake Malawi club Makokola between Aug 28 and Sep 16. Activity will be limited because this is a DX holiday style operation. QSL via IN3VZE, by the bureau or direct to Ely Camin, Corso 3 Novembre 136/2, 38100 Trento, Italy.

FK, NEW CALEDONIA

Kaz/JA2BDR Jun/JA2EWE and Ken/JA2KRE will be active from Noumea between Aug 19-24. Their callsigns will be FK/homecall. They hope to operate on 80-10m SSB and CW no RTTY operation. They will use only one transceiver with a 500w linear amp. Antennas are 2 element beam for 17/15/12/10m and wire verticals for 80/40/30/20m. QSL to their home callsigns, direct or the JARL Bureau (good for one year).

JA2BDR Kazuo Yoshikawa: 4249-4 Shimoebi, Yokkaich, 510-1203 JAPAN

JA2EWE Junich Matsunaga: 9 Shinmachi, Niiya, Jimokuji, 490-1105 JAPAN

JA2KRE Kenji Ito: 1457 Yui, Tado, 511-0101 JAPAN

LIGHTHOUSE/LIGHTSHIP ACTIVITIES

Look for radio station SN2NP to be active from the Lighthouse Gdansk - Nowy Port (POL-033), Aug 18-22. QSL direct or by the via SP2BIK.

PY0, FERNANDO DE NORONHA

Operators Marq/CT1BWW and Juanca/EA2RC will be active as PY0/homecall from August 1-14th. Their bands/modes of activity were not provided.

ZK2, NIUE

Eugene/W2LU and Stephen/WA2WVI will be active as ZK2LU. Their tentative dates are November 14-30th. They plan to focus on 160 and 75 meters SSB+ADs- check 1850 and 3795 kHz listening down 5 between 1600-0600z.

ARLD031 DX news

NORTH KOREA, P5. Dave KA2HTV will attempt to operate as P5/KA2HTV from Aug 9-23. QSL via KK5D0.

GUANTANAMO BAY, KG4. Bruce W40V has rescheduled his trip and should be active as KG40V on all bands on SSB and CW Aug 19-22.

ALASKA, KL7. Bill K4XS will be active as K4XS/KL7 until Aug 7. He is on Attu Island, IOTA NA-064 and uses CW only. QSL to his home callsign direct only with SASE. There will be no bureau QSLs.

ICELAND, TF. Hector TF/EA3EKS will be active from Aug 6-13. QSL direct only.

ITALY, I. Special event station IY6GM will be active on 40-10M CW and SSB from Monte Cappuccini Ancona from Aug 12-14. The activity will celebrate the 101st anniversary of the experiments carried out by Guglielmo Marconi from there. QSL via IZ6CRK, direct (c/o Sezione ARI di Ancona, P.O. Box 122, 60100 Ancona - AN, Italy) or bureau.

ST. PIERRE MIQUELON, FP. Look for Paul as FP/K90T on 30 or 40 meter CW between 0000 and 0200Z. QSL via K90T.

CORSICA, TK. Stefano, TK/IK5PWQ, will be active using CW and SSB

until August 15. QSL via bureau. He intends to activate some offshore islands (EU-164) as well. Also, Gilberto TK/IZ2GIL is QRV on 80-20 meters until Aug 30.

CROATIA, 9A. Lada OK1LO will activate Pasman Island (EU-170) as 9A5LO/p on 80-10 meters from Aug 5-15.

FRENCH POLYNESIA, F0. Fred F5INL will be on the air as F05INL from Papeete (OC-046) for two years starting on Aug 8.

LORD HOWE ISLAND, VK9/L. Doug is working at the local weather station for the next three years. Listen for VK9ZLH on 30-10M

SWAZILAND, 3DA. Operators 3DA0GR (UT5UGR) 3DA0UJ (UT7UJ) 3DA0LL (UX0LL) 3DA0UT (UT7UT) 3DA0MC (UR0MC) and 3DA0UY (UT5UY) are active using CW, SSB and digital modes on 160-10 meters until Aug 7. QSLs via homecalls.

THAILAND, HS. E20EHQ E22BH and other ops will sign E20EHQ/7 on 40 20 and 15M from an art exhibition in the province Petchaburi from August 10-15. QSL via E20EHQ.

USA, K. Adam K2ARB/1 is QRV using CW on 80-17 meters from Marthas Vineyard (NA-046 USI MA-0055) until Aug 30. QSL via home call.

The Society can be contacted in the following ways: To Pat VK2JPA via patleeper at optusnet.com.au or Col VK2CTD via ctdavies at bigpond.net.au or you can drop a line to P.O. Box 93 Toongabbie, NSW 2146.

73's for this week from Pat VK2JPA Broadcast Officer
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